



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Young-Chin CHEN

Serial No.: 10/767,051

Group No.: 1796

Filed: January 29, 2004

Examiner: Khan, Amina S.

For: PROCESS FOR PRODUCING SYNTHETIC FIBER FABRIC HAVING
TRANSLUCENT PRINTING (DYEING) PATTERNS AND FABRIC THUS
OBTAINED

Attorney Docket No.: U 015013-0

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

DECLARATION UNDER 37 CFR 1.132

I, Young-Chin CHEN, do hereby declare:

1. I am the inventor of the subject matter described and claimed in the above application. I make this declaration in support of this application. My background and technical expertise are as shown on the curriculum vitae attached herewith as Exhibit I.

2. The following experimentation was conducted by me or under my supervision and control. I have firsthand knowledge of the experimentation and the results described below.

3. In the experimentation, fabrics were treated with the formulations described in Examples 18a (which contains no quarternary ammonium salt) and 18b (containing 3% quarternary ammonium salt) of US Patent No. 4,507,342 in the manner described in the Examples of the patent, and fabrics were treated in an additional example in the same manner

using a formulation containing a higher amount (80 wt%) of a quarternary ammonium salt. The results of the experimentation and actual samples of the fabrics produced during the experimentation are shown in the table attached herewith as Exhibit II. As indicated in the table attached herewith, the formulations of Examples 18a and 18b of US Patent No. 4,507,342 do not result in transparent efficacy of the fabric treated therewith.

4. In contrast, the claimed method of the present application produces a fabric having a translucency as can be seen in the fabric produced using the claimed method, which is attached herewith as Exhibit III.

5. I declare further that all statements made herein of my known knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity or the application of any patent issued thereon.

Date: 27 July 2009



Young-Chin CHEN


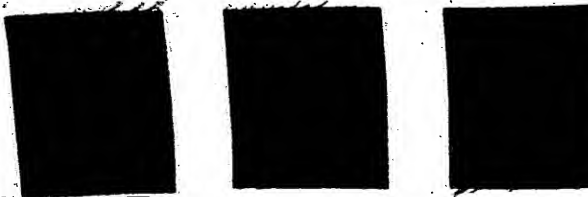
Exhibit I

Mr. Young-Chin Chen
Director of R&D Center, Formosa Taffeta Co., Ltd.

Bachelor of Science, Department of Chemistry, TamKang University (1972)
Management Study, TUNGHAI University (1989.7~1990.7)

- Distinguished Engineer award (CIE, 2002)
- Adjunct Associate Professor Rank Technical Expert, Department of Industrial Engineering and Management, National Yunlin University of Science and Technology
- Assistant Technician/Supervisor, Laboratory, Tuntex Distinct Corp. (1976~1978)
- Formosa Taffeta Co., Ltd. (1978~)
 - * Chief/Supervisor, Dyeing Section/Printing Section, Dyeing & Finishing Plant 1
 - * Plant manager, Dyeing & Finishing Plant 3
 - * Plant manager, Cotton Dyeing Plant
 - * General Manager/Deputy General Manager, the 3rd Business Division
 - * Director of R&D Center (1995.02~)

Exhibit II

Formulation	Example 18a of US 4,507,342 (wt%)	Example 18b of US 4,507,342 (wt%)	Additional Example (wt%)
Cut clear	60	66.67	60
Blue pigment	4.3	4.3	4.3
Acrylic binder	5.8	4.38	5.8
Polypropylene Adhesive Addition Polymer	0	1.8	1.8
(Percent of Quaternary Ammonium Salt in Polypropylene Adhesive Addition Polymer)	0	3	80
Water	30	23	23
Sodium bicarbonate	0.175	0.175	0.175
Viscosity (cps)	40,000	20,000	20,000
PP fabric			
PET fabric			
Conclusion	<ol style="list-style-type: none"> 1. Increasing the amount of quaternary ammonium salt tends to lighten the color of the fabric colored by a pigment. 2. The formulations of Examples 18a and 18b of US 4,507,342 do not result in transparent efficacy of the fabric treated therewith. 		